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### 1 [Multidimensional access methods](#)



Volker Gaede, Oliver Günther

June 1998 ACM Computing Surveys (CSUR), Volume 30 Issue 2

Publisher: ACM

Full text available: pdf(1.05 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 569, Citation Count: 207

Search operations in databases require special support at the physical level. This is true for conventional databases as well as spatial databases, where typical search operations include the point query objects that contain ...

Keywords: data structures, multidimensional access methods

### 2 [Declarative failure recovery for sensor networks](#)



Ramakrishna Gummadi, Nupur Kothari, Todd Millstein, Ramesh Govindan

March 2007 AOSD '07: Proceedings of the 6th international conference on Aspect-oriented software development

Publisher: ACM

Full text available: pdf(266.54 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 286, Citation Count: 1

Wireless sensor networks consist of a system of distributed sensors embedded in the physical world to allow observation of previously unobservable phenomena. Since they are exposed to unpredictable environments, sensor-network applications ...

Keywords: WSN, checkpointing, declarative failure recovery, declarative recovery, failure, macroprogramming, node-level programming, recovery, wireless sensor networks

### 3 [Managing bounded code caches in dynamic binary optimization systems](#)



Kim Hazelwood, Michael D. Smith

September 2006 ACM Transactions on Architecture and Code Optimization (TACO), Volume 3

Publisher: ACM

Full text available: pdf(666.72 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 124, Citation Count: 0

Dynamic binary optimizers store altered copies of original program instructions in software-man caches in order to maximize reuse of transformed code. Code caches store code blocks that may size, reference other code blocks, and carry ...

**Keywords:** Dynamic optimization, code caches, dynamic translation, just-in-time compilation

#### 4 [Shape-based retrieval and analysis of 3D models](#)



Thomas Funkhouser, Michael Kazhdan

August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available: [pdf\(12.56 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 727, Citation Count: 0

Large repositories of 3D data are rapidly becoming available in several fields, including mechanical biology, and computer graphics. As the number of 3D models grows, there is an increase for computer algorithms to help people find ...

#### 5 [A simple mechanism for capturing and replaying wireless channels](#)



Glenn Judd, Peter Steenkiste

August 2005 E-WIND '05: Proceedings of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis

Publisher: ACM

Full text available: [pdf\(6.06 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index to](#)

**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 551, Citation Count: 1

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the channel. In this paper we examine the possibility ...

**Keywords:** channel capture, emulation, wireless

#### 6 [GPGPU: general purpose computation on graphics hardware](#)



David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aa

August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available: [pdf\(63.03 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 71, Downloads (12 Months): 1505, Citation Count: 3

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely important and flexible processor. The latest graphics architectures provide tremendous memory bandwidth and computational horsepower, with fully programmable vertex ...

#### 7 [Information systems outsourcing: a survey and analysis of the literature](#)



Jens Dibbern, Tim Gales, Rudy Hirschheim, Bandula Jayatilaka

November 2004 ACM SIGMIS Database, Volume 35 Issue 4

Publisher: ACM

Full text available: [pdf\(1.51 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 116, Downloads (12 Months): 3081, Citation Count: 5

In the last fifteen years, academic research on information systems (IS) outsourcing has evolve  
Indeed the field of outsourcing research has grown so fast that there has been scant opportunity  
research community to take a collective ...

**Keywords:** determinants, literature review, outcomes, outsourcing, relationships, research approaches  
theoretical foundations

8 [Communications of the ACM: Volume 51 Issue 1](#)



January 2008 issue Volume 51 Issue 1

Publisher: ACM

Full text available: pdf(5.97 MB) digital edition(.00 bytes) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 247, Downloads (12 Months): 588, Citation Count: 0

9 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies  
Collaborative research

Publisher: IBM Press

Full text available: pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 77, Downloads (12 Months): 1090, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process  
diagrams are often used to obtain a better understanding of the execution of the application. The  
visualization tool we use is Poet, an event ...

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